

## Contents

Chapter 1.	Introduction .....	- 2 -
Chapter 2.	Purpose and Scope.....	- 2 -
	Reviews and Revisions .....	- 2 -
	Applicable Regulations .....	- 2 -
	State Regulations .....	- 2 -
	Federal Regulations.....	- 2 -
	Military Regulations .....	- 3 -
	Responsibilities.....	- 3 -
	Environmental Division .....	- 3 -
	Environmental Quality Officer (EQO) .....	- 4 -
Chapter 3.	Environmental Waste Made Easy—Environmental Protocol Sheets .....	- 5 -
Chapter 4.	Managing Hazardous Material .....	- 6 -
Chapter 5.	Hazardous Material Control Center (HMCC)/HAZCOM/MSDS .....	- 6 -
Chapter 6.	Managing Hazardous Waste/SAPs.....	- 7 -
	Generating and Accumulating Waste .....	- 7 -
	HW Satellite Accumulation Points .....	- 7 -
	How to Establish/Close a SAP .....	- 8 -
Chapter 6A.	How to Establish/Close a POL Accumulation Point.....	- 6 -
Chapter 7.	Training, Inspections and Recordkeeping .....	- 11 -
	Training – EQO/Unit/Oil Handling Personnel .....	- 12 -
	Training – Spill Awareness/SAP/Inspections/Recordkeeping .....	- 12 -
Chapter 8.	Forest Management .....	- 13 -
Chapter 9.	Fish and Wildlife .....	- 14 -
Chapter 10.	Cultural Resources.....	- 14 -
Chapter 11.	Threatened and Endangered Species .....	- 15 -
Chapter 12.	Land Management .....	- 15 -
Chapter 13.	Wetlands .....	- 16 -
Chapter 14.	Range Control/Integrated Training Area Management.....	- 16 -
APPENDIX A:	ENVIRONMENTAL PROTOCOL SHEET INDEX.....	
APPENDIX B:	ACRONYMS.....	
APPENDIX C:	Environmental CIP Checklist.....	
APPENDIX D:	CAM Reg 200-1 .....	D-1
	Sample EQO Memo.....	D-7
	Installation Environmental Policy .....	D-8
	Installation Recycle Policy(dated 7 May 2007) .....	D-9
IMPORTANT PHONE NUMBERS/ADDRESSES.....	Inside Back Cover	
MAP OF ENVIRONMENTAL LOCATIONS.....	Back Cover	

## **Chapter 1. Introduction**

This Environmental Guidance Handbook prescribes responsibilities, policies, and instructions for managing environmental issues at Fort Campbell, KY, required by applicable federal, state (TN & KY), local laws, regulations and Army Regulation (AR) 200-1, Environmental Protection and Enhancement, and CAM Reg 200-1.

Many Soldiers and leaders feel environmental issues are a side bar, something extra that has to be done that will inhibit or restrict the mission. It is quite the opposite. If we do not take into consideration the health and welfare of our troops, our mission will suffer. These instructions are designed to enhance and support the warfighter and make their mission more easily accomplished and still protect and preserve our natural resources for generations to come.

## **Chapter 2. Purpose and Scope**

This Handbook supports Fort Campbell Environmental programs. It applies to the following:

- All organizations, activities and contractors located on Fort Campbell.
- Any outside organization or activity training at Fort Campbell.

### **Reviews and Revisions**

The Fort Campbell Environmental Division will review this Handbook annually. All Environmental Quality Officers (EQOs), as well as any other Fort Campbell personnel directly involved in Environmental issues, are encouraged to provide comments and suggestions to improve this Handbook. Submit comments to the Environmental Education program manager.

### **Applicable Regulations**

#### **State Regulations**

Ft. Campbell is regulated by both the states of Kentucky and Tennessee hazardous waste programs.

#### **Federal Regulations**

In order to comply with the Federal Facilities Quality Act, Fort Campbell must manage its waste in accordance with (IAW) the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments (HSWA). Federal waste management regulations are codified in Title 40 of the Code of Federal Regulations (CFR). This handbook provides instructions for complying with the following parts of 40 CFR:

- Part 240 through Part 259 for the regulation of solid waste
- Part 260 through Part 272 for the regulation of hazardous waste
- Part 273 for the regulation of universal waste
- Part 279 for the regulation of used oil

Fort Campbell must also comply with the following:

- Defense Transportation Regulations which incorporate by reference 49 CFR Parts 170 through 177 regarding hazardous materials transportation
- 29 CFR Part 1910 regarding employee safety

## **Military Regulations**

Fort Campbell personnel must comply with AR 200-1, *Environmental Protection and Enhancement*, and CAM Reg 200-1, Fort Campbell's Environmental Strategy Regulation.

## **Responsibilities**

The following responsibilities are organized according to the Ft. Campbell command structure. Commanders will appoint EQOs IAW Cam Reg 200-1.

### **Environmental Division**

The Environmental Division will:

- Coordinate, inspect, or manage all aspects of installation actions relative to environmental regulations.
- Serve as the single point of contact for federal, state, and local agencies with regard to environmental permits, interpretation of regulatory requirements, coordination and resolution of non quality issues or findings.
- Monitor installation compliance with federal, state, and local environmental requirements, including activities of tenants, and recommend to the Garrison Commander necessary or advisable changes in policies to improve program management.
- Coordinate the analysis of waste to determine if it is hazardous and provide copies of waste analysis prior to release to DLA Disposition Services-Campbell (formerly DRMO).
- Immediately advise the Garrison Commander of the receipt of enforcement notices of violation, consent orders, or quality agreements.

### **Commanders / Facility Managers**

Implementation of the best management practices outlined this handbook requires the support of unit commanders and facility managers. Specifically, commanders and facility managers should:

- Assign personnel to key positions outlined in this Handbook.
- Enforce regulatory requirements and best management practices and procedures.
- Utilize the Environmental Quality Officer (EQO) as the central point of contact for coordination and resolution of environmental issues.

## **Environmental Quality Officer (EQO)**

The EQO will:

- Function as a liaison on all environmental issues between the unit and the Environmental Division.
- EQO training in accordance with CAM Regulation 200-1 (Appendix D).
- Implement the instructions established by this Handbook and enforce compliance.
- Oversee the activities of the Satellite Accumulation Point Operator, POL Accumulation Point Operator and HazMat custodian.
- Conduct Environmental inspections of activity or unit areas. Ensure weekly inspections of POL Accumulation Points and Satellite Accumulation are completed and documented.
- Implement spill procedures when necessary.
- Notify the Environmental Division of changes to operations, including waste stream process changes, new waste streams, materials used, and materials stored.
- Ensure that appropriate unit personnel receive the proper level of Environmental training (e.g., POL accumulation point operator, SAP accumulation point operator, Hazmat custodian, Spill Planning & Prevention, Defense HazMat Training, etc.).
- Brigade EQOs ensure each BN has an EQO appointed on orders and trained (see Cam Reg 200-1).

## **Satellite Accumulation Point Operator**

The Satellite Accumulation Point (SAP) operator will:

- Attend initial and annual satellite accumulation point operator training.
- Coordinate with the environmental division to establish and maintain the SAP
- Operate the Satellite Accumulation Point in accordance with this handbook.
- Conduct weekly inspections, document deficiencies and corrective actions, and enforce compliance.
- Coordinate with the EQO to resolve noncompliance issues.
- Maintain required documentation in the SAP Six Part Folder.
- Implement spill procedures when necessary.

## **POL Accumulation Point Operator**

The POL accumulation point operator will:

- Attend Oil Handler Personnel training, if accumulating used oil in quantities 55 gallons or greater,
- Coordinate with the environmental division to establish and maintain the POL accumulation point.
- Operate the POL accumulation point in accordance with this handbook.

- Conduct weekly inspections, document deficiencies and corrective actions, and enforce compliance.
- Maintain required documentation in the POL accumulation point folder.
- Coordinate with the EQO to resolve noncompliance issues.
- Implement spill procedures when necessary.

### **HazMat Custodian**

Units may designate a HazMat custodian to maintain materials contained and HazMat Storage units/lockers. These personnel receive procedural training from the unit EQO or PPOC hazmat delivery personnel.

The HazMat custodian will:

- Coordinate with the EQO and PPOC delivery personnel to maintain established HazMat inventories.
- Maintain the MSDS binder.
- Ensure containers placed in the HazMat return locker are labeled with their contents.
- Follow the procedures outlined this handbook.
- To establish a HM locker, see the Environmental Protocol Sheets (page A-47) labeled “Hazmat Locker Establish.”

## **Chapter 3. Environmental Waste Made Easy—Environmental Protocol Sheets**

All Fort Campbell facilities generate waste, whether it is residue from the use of products or products themselves that are no longer useable for their intended purpose. Proper waste management can be very difficult, especially if you don’t do it every day. For example, the procedures for handling asbestos are much different than those for managing waste paint thinner. Many items exist that require mandatory recycling, or recycling as a best management practice (BMP).

In order to simplify the recycling/waste management process, specific work instructions for wastes commonly generated at Fort Campbell have been developed in the form of Environmental Protocol Sheets (EPSs). The EPSs are easy to follow, laying out step-by-step how to manage each waste stream. These EPSs can be found in Appendix A, and are accessible using the Fort Campbell Environmental Division link:

<http://www.campbell.army.mil/campbell/directorates/DPW/envdiv/Pages/default.aspx>

To use the EPSs, turn to Appendix A and find the “Environmental Protocol Sheet Index”. Find the particular waste or issue you are looking for and turn to that sheet. The handling procedures

are self-explanatory. If you cannot find your waste or environmental issue in the index, contact the Environmental Division for guidance.

**Note:** EPS information underlined in bold (e.g., “**Range Control**”), indicates point of contact telephone number and location are listed under” IMPORTANT PHONE NUMBERS/ADDRESSES” at the back of this Handbook.

**NOTE:** *If you want an EPS that is not in Appendix A, you may request one by calling the Environmental Division, Education Program*

## Chapter 4. Managing Hazardous Materials

Hazardous materials, hazardous chemicals, hazardous substances, hazardous waste, toxic chemicals, dangerous goods, etc. – these identifying names all refer to hazardous materials and will be collectively referred to as HAZMAT in this section. Many commodities received, stored, and issued by installations possess unique characteristics requiring specialized care and handling. No other single group of commodities requires the degree of specialized handling mandated by public laws and regulations as the group broadly described as HAZMAT.

Failure to properly identify, store, and handle such material poses serious health risks for personnel. It can result in death, injury, or long-term chronic physical disability of personnel and property or environmental damage. It is imperative that the hazards associated with the storage and handling of these materials is understood by all personnel required to physically handle them.

## Chapter 5. Hazardous Materials Control Center (HMCC)

Fort Campbell operates a centralized Hazardous Materials Control Center. The purpose of this program is to enhance combat readiness, establish regulatory compliance and inventory management procedures for all hazardous materials used during industrial work processes at Fort Campbell. The instructions in this document are mandatory for all units and activities that are customers of the HMCC at Fort Campbell, Kentucky.

Nearly all activities on Fort Campbell use HAZMAT, which are essentially those items requiring a Material Safety Data Sheet (MSDS). The EQO for the facility is responsible for properly maintaining HAZMAT to minimize safety hazards, prevent spills, and reduce hazardous waste generation. MSDS are initially provided to units when the hazmat locker is set up, and if new product is introduced to the locker, an MSDS is provided. **It is the unit’s responsibility to maintain the MSDS book.**

All units/activities that store Hazardous Materials are required to establish a Hazardous Communication (HAZCOM) Program. AR 385-10 requires all civilian and military personnel of the Department of Defense to comply with the Hazard Communications standard, 29 CFR 1910-1200. CAM Reg 385-6 and the Installation Safety Office (ISO) establish the Ft. Campbell program.

The Environmental Division programs have a very close interface and support of the Hazcom program. Units and activities should contact Installation Safety Office for more information. All

individuals must be informed of any physical and health hazards that they may be subjected to in the performance of their duties. Hazcom training must be given annually, when new personnel are assigned to the unit, and when a new hazardous material is introduced into the work place. See also 29 CFR 1910.1200 for more detailed information.

To establish a HM locker, see the Environmental Protocol Sheets (page A-47) labeled “Hazmat Locker Establish.”

The following supply procedures will be utilized to replenish materials for units and activities that have been formally inducted into the PPOC/HMCC operation:

- Commanders/directors should ensure that all HAZMAT materials utilized in support of maintenance functions are obtained through the PPOC/HMCC.
- PPOC/HMCC requisitions may require a memorandum signed by the commander/director.
- Unit/activities will not use their Government Purchase Credit Card (GPC) to purchase HAZMATHMCC Supply Procedures and Requirements.

## **Chapter 6. Managing Hazardous Waste/Satellite Accumulation Points (SAP)**

This chapter describes how to manage wastes generated at Fort Campbell facilities, including hazardous waste (HW), universal waste (UW), non-hazardous industrial waste (NHIW), special waste, and general refuse. The following topics are covered:

- Environmental Waste Made Easy — Environmental Protocol Sheets (EPS)
- Generating and Accumulating Waste
- Satellite Accumulation Points
- How to establish a SAP
- How to close a SAP
- How to move a SAP

### **Generating and Accumulating Waste**

Many activities/facilities at Fort Campbell generate hazardous and universal wastes. These wastes must be accumulated temporarily at the generating facility in accumulation points or turned in to the PPOC immediately upon generation.

### **HW Satellite Accumulation Points**

Facilities may accumulate as much as 55 gallons of HW or one quart of acutely HW (for example Blanchfield Army Community Hospital) in containers *at or near* the point of generation where wastes initially accumulate. This area is commonly referred to as a HW Satellite Accumulation Point (SAP). The SAP **must** be under the control of the operator of the process generating the waste. “Under control” means that the person generating the waste controls what waste is put in the container ensuring no cross-contamination with other wastes. Each container

in a SAP must be kept closed except when adding or removing contents. The containers must be in good condition and labeled.

The most common location for a SAP at a military unit is at the unit CBRN room. SAPs are required for various CBRN items. See the EPS for further guidance.

***NOTE: Because the definition of a SAP is somewhat subjective, the Environmental Division Hazardous Waste Program will determine where a SAP may be located. Do not establish SAPs without Environmental Division approval.***

The purpose of a SAP is to allow you some relief from having to immediately take waste to the PPOC. Regulators closely inspect SAPs, so special care should be taken in managing them. The generator of the HW must be able to show a regulator that the waste is managed from cradle to grave. To do this we use a Six-Part Folder. Forms used to open, close or recertify a SAP can be printed at:

<http://www.campbell.army.mil/campbell/directorates/DPW/envdiv/Pages/HazardousWaste.aspx>

Note: A building diagram depicting the location of the SAP is required to establish or recertify a SAP.

## How to Establish a SAP

### When it is determined that hazardous waste is being generated:

1. All hazardous and universal waste sites are regulated by the EPA and the state. Any unit/activity generating hazardous waste will contact the Environmental Division for approval of on-site accumulation.
2. To establish an SAP, see the appropriate protocol sheet for the waste identified, or call Environmental Division Hazardous Waste if unsure.
3. Submit a SAP establishment memorandum signed by the Commander/Facility Manager and EQO, and a site diagram showing the location of the SAP, to the Environmental Division (798-9763).

**Note:** Forms used to open, close or recertify a "Satellite Accumulation Point" can be printed at:  
<http://www.campbell.army.mil/campbell/directorates/DPW/envdiv/Pages/HazardousWaste.aspx>

4. When the SAP is approved, the Environmental Division will assist the primary individual in constructing a six-part folder. The six-part folder is a tool to manage the hazardous/universal waste from cradle-to-grave to include records of inspection, training, and turn-in of the hazardous/universal waste.

**Note:** Centralized accumulation points (e.g., Troop Self Help, AAFES Warehouse, BACH, and Fort Campbell Schools Warehouse) maintain a SAP for Fluorescent Tubes and Mercury Containing Lamps. Units and tenant activities are not required to establish a SAP for spent



lamps and should refer to the EPS for “Fluorescent Tubes and Mercury Containing Lamps” on page A-31.

5. The Environmental Division will provide annual SAP training to the unit/activity on the Hazardous Waste Resource Conservation and Recovery Act (RCRA) insuring proper management of the SAP to maintain environmental compliance. Initial and annual SAP training is required for anyone who performs duties involving hazardous waste management personnel training or inspection of hazardous waste sites. EQO training provides SAP training that is good for only one year from the date of initial training.

## **How to Close a SAP**

### **Military units**

If all unit CBRN (NBC) assets are deployed, close the Satellite Accumulation Point (SAP).

1. Submit a SAP closure memo signed by the Commander and EQO to the Environmental Division (798-9763).
2. Turn in hazardous waste to the 90-Day Yard located at 2<sup>nd</sup> and Wickham (798-9790).
3. Place a copy of the SAP closure memo on the outside of the CBRN (NBC) room door.
4. Keep the SAP Poster, 6-Part Folder, and the empty accumulation containers for use when the unit returns to Fort Campbell.

### **Tenant units and activities**

If hazardous waste is no longer being accumulated, close the Satellite Accumulation Point (SAP).

1. Submit a SAP closure memo signed by the Commander/ Facility Manager and EQO to the Environmental Division (798-9763).
2. Turn in hazardous waste to the 90-Day Yard located at 2<sup>nd</sup> and Wickham (798-9790).
3. Coordinate with the Environmental Division for further guidance.

## **How to Move a SAP**

1. Submit a SAP closure memo signed by the Commander/ Facility Manager and EQO to the Environmental Division (798-9763).
2. Turn in hazardous waste to the 90-Day Yard located at 2<sup>nd</sup> and Wickham (798-9790).
3. Keep the SAP Poster, 6-Part Folder, and the empty accumulation containers for use at the new site.
4. Submit a SAP establishment memo for the new site, signed by the Commander/Facility Manager and EQO to the Environmental Division, with a site diagram depicting the SAP location.

5. When the SAP is approved, file the new approval letter in the Six Part Folder and resume hazardous waste accumulation.

## CHAPTER 6A. POL Management

### Managing Petroleum, Oils and Lubricants (POL) Collection Sites:

This chapter describes how to establish and manage "Used POL and Used Antifreeze Accumulation Points" established throughout the facility. The most common location for a Used POL and Used Antifreeze Accumulation Point is a motor pool or aviation hangar. These sites are subject to state and federal environmental compliance inspections. Contact the unit/activity EQO or Hazardous Waste for assistance.

The following topics are covered:

- How to establish a Used Oil and/or Used Antifreeze Accumulation Point
- How to close a Used Oil and/or Used Antifreeze Accumulation Point
- How to move a Used Oil and or Used Antifreeze Accumulation Point

### How to Establish a Used Oil and/or Used Antifreeze Accumulation Point:

Refer to the "Antifreeze" and/or "Oil (Used)" protocol sheet and call Environmental Division Hazardous Waste Section for assistance.

To establish a Used POL and/or Used Antifreeze Accumulation Point:

1. Submit a memo signed by the Commander/ Facility Manager and EQO requesting establishment to the Environmental Division (798-9763). Also, provide a site diagram depicting the location of the accumulation point.

Note: Forms used to open or close a "Used Oil and/or Used Antifreeze Accumulation Point" can be printed at

<http://www.campbell.army.mil/campbell/directorates/DPW/envdiv/Pages/HazardousWaste.aspx>

Note: Initial and annual Oil Handling Personnel training is required for bulk quantities greater than or equal to 55 gallons. This training is provided by **Spill/Storage Tank Program** personnel at 798-9637 or 798-9601.

Maintain a documentation folder with the establishment memo and diagram, training documentation, and inspection sheets (weekly and monthly). Records of Oil Handling Personnel training must be maintained for 3 years.

### How to Close a Used Oil and/or Used Antifreeze Accumulation Point:

1. If all vehicles and generators are deployed and there is no need to accumulate POL products, close the accumulation point.

2. Submit a closure memo signed by the Commander/ Facility Manager and EQO to the Environmental Division (798-9763).
3. Call 798-9790 to have the Used Oil and/or Used Antifreeze removed from accumulation drums.
4. Secure secondary containment units (SCU) until the unit returns to Fort Campbell or coordinate turn-in. Serviceable SCUs - PPOC (798-9790). Unserviceable SCUs - DLA Disposition Services-Campbell (798-3525).

## **How to Move a POL Accumulation Point:**

1. Submit a POL accumulation point closure memo signed by the Commander/ Facility Manager and EQO to the Environmental Division (798-9763).
2. Turn in used oil/used antifreeze to the 90-Day Yard located at 2<sup>nd</sup> and Wickham (798-9790).
3. Keep the "Used Oil and/or Used Antifreeze Accumulation Point" poster, documentation folder, and empty accumulation containers for use at the new accumulation point.
4. Complete an establishment memo for the new site, signed by the Commander/ Facility Manager and EQO to the Environmental Division (798-9763). Also provide a site diagram depicting the accumulation point location.
5. File the establishment memo and diagram in the documentation folder and resume POL accumulation.

## **Training, Inspections and Recordkeeping Requirements:**

Refer to Chapter 7 for training, inspections and recordkeeping requirements.

## **Used POL and/or Used Antifreeze Accumulation Point Management:**

Refer to Appendix A for the "Antifreeze" and/or "Oil (Used)" environmental protocol sheet. Used POL and Used Antifreeze Accumulation Points must be inspected weekly by the unit/activity.

## **Chapter 7. Training, Inspections and Recordkeeping**

This chapter gives information, instructions, and forms for required training, periodic internal inspections, and recordkeeping.

### **EQO Appointment/Training**

CAM Reg 200-1 Installation Environmental Strategy Plan (see Appendix D) outlines the requirements and required training for EQOs. EQOs are required to be appointed on orders and trained within 4 months after appointment as an EQO. Training is available through the Environmental Division, Education Program (798-9771 or 798-9595).

## Unit Training

The Environmental Division Education Program is available to conduct site-specific training to units for Safety Stand down days, OPD, NCODP, etc. Command Safety and Fire Programs overlap with environmental issues, and can be combined with environmental training.

## Satellite Accumulation Point Operator - Initial and Refresher Training

Satellite Accumulation Point Operators will complete a block of instruction on hazardous waste, universal waste, used batteries and POL management. SAP Operators are also required to complete annual refresher training. This training is available by calling the **Environmental Division, Hazardous Waste Program (798-9763)**. The online SAP Operator Training Slide Presentation may be viewed at:  
[http://www.campbell.army.mil/campbell//directorates/DPW/envdiv/Pages/SatelliteAccumulationPoints\(SAP's\).aspx](http://www.campbell.army.mil/campbell//directorates/DPW/envdiv/Pages/SatelliteAccumulationPoints(SAP's).aspx).

## Oil Handling Personnel Training

Oil Handling Personnel (OHP) training is required regulatory training for any installation personnel including garrison activities, units, tenants, tenant organizations, and contracted operations that are responsible for the transfer, transport, or handling of Petroleum, Oil, and Lubricant (POL) products in bulk quantities **greater than or equal to 55 gallons**. This training is conducted annually and is coordinated through the Spill/Storage Tank Program. New Oil Handling Personnel (OHP) must contact the Spill/Storage Tank Program for next available training date. Records must be maintained for three years as required by regulation 40 CFR 112. For more guidance, definition clarity or training dates, please contact **Environmental Division Spill/Storage Tank Manager**.

## Spill Awareness Training (Non-Oil Handling Personnel Training)

Spill awareness training is a best management practice for any installation personnel that may be responsible for the transfer, transport, or handling of POL products in quantities less than 55 gallons. This training provides awareness of the proper procedures for reporting, responding, and preventing POL discharges by becoming familiar with the **Spill Awareness Training and Resource Guide** and the **Spill Prevention Response and Notification Procedure (SPRNP) Sign**. For more guidance or definition clarity, please contact **Environmental Division Spill/Storage Tank Manager**.

## Inspections

Environmental Division program personnel conduct various inspections within their programs. The Inspector General's Office also conducts periodic Command Inspection Program (CIP) assessments. Appendix C is the checklist for the CIP.

**Satellite Accumulation Points (SAP):** Satellite accumulation points must be inspected by qualified unit/activity personnel on a weekly basis. The Environmental Division will conduct periodic compliance inspections. Inspection documentation will be retained by the unit/activity for three years. Contact the unit/activity EQO or **Hazardous Waste** for inspection checklists.

**POL Accumulation Points:** POL accumulation points must be inspected by qualified unit/activity personnel on a weekly basis. The Environmental Division will conduct periodic compliance inspections. Inspection documentation will be retained by the unit/activity for three years. Contact the unit/activity EQO or **Hazardous Waste** for inspection checklists.

## Recordkeeping

**Oil Handling Personnel Training** – Original Oil Handling Personnel (OHP) Training records are maintained by the Spill/Storage Tank Program. As a best management practice, personnel must duplicate their signature in the OHP section of the **Spill Awareness Training and Resource Guide**. These records will be maintained until closure of the applicable area or until three years after the training date. Forms used to open or close a POL accumulation point can be printed at:

<http://www.campbell.army.mil/campbell//directorates/DPW/envdiv/Pages/HazardousWaste.aspx>

**Spill Awareness Personnel Training** – As a best management practice, personnel must sign the Spill Awareness Training section of the **Spill Awareness Training and Resource Guide**. These records will be maintained until closure of the applicable area or until three years after the training date.

**Hazcom Training** - Command Safety has oversight of the Hazcom training program. This training must be documented including the content of the training, date of training and who attended.

## Chapter 8. Forest Management

The Army's forest management activities are highly visible to the general public. Significant payback in terms of mission support and public relations are elements that a well planned, integrated and scientifically managed forest program can yield. Army policy provides for sustained yield timber management tailored to military mission requirements as the first priority. Additional benefits of an ecologically sound forest management program include protection of watersheds, cultural resources, and endangered species; recreational opportunities; improved wildlife populations and habitat; and natural beauty.

During training, only scrub tree limbs will be used for camouflage (i.e. sumac foliage, eastern red cedar and pine). Commercial hardwood trees will not be used. Trees will not be cut or damaged without prior approval from DPW Forestry Branch. *It is recommended that camouflage netting and associated systems be used to enhance the natural surroundings and not cut or destroy the trees which will perhaps reveal tactical positions more easily.*

To support the forest management effort at Fort Campbell, units should report all forest and grass fires to G3/Range Division. When a fire is started in a training area, the OIC should stop all training and concentrate on fighting the fire using all available personnel. The unit will continue

to fight the fire until the fire is suppressed or until relieved by personnel from DPW Forestry Branch. No one will enter an impact area for the purpose of fighting fires without approval of the installation Range Officer.

To prevent fires when using pyrotechnics, smoke pots, etc., place them in areas free of vegetation.

Make protecting and conserving the natural resources for the present and future generations an integral part of your military mission.

## **Chapter 9. Fish and Wildlife**

The Fish and Wildlife Program applies to all Army commands and personnel, and covers Army installations on United States soil which contain land and water areas suitable for conservation and management of fish and wildlife resources. The suitability of a military installation for fish and wildlife management shall be determined after consulting with the USFWS and the state. Provisions for proper fish and wildlife management are described in AR 200-3.

### **Unit Responsibilities:**

1. ROWPU/TWPS/LWP units should contact the Environmental Division Conservation Branch and Stormwater Program prior to purifying water from Lake Kyle or Lake Taal.
2. Remove concertina wire, containers, and other trash from training areas when leaving the field. Animals, people, equipment can get trapped in concertina wire.
3. Military units are encouraged to release training areas to range control for hunting when lands are not being used for training.
4. Immediately report road killed white-tailed deer to post game wardens.
5. Avoid wildlife research sites.

## **Chapter 10. Cultural Resources**

Fort Campbell has rich cultural resources to manage including archaeological sites up to 12,000 years old, family cemeteries, houses from the 19<sup>th</sup> and 20<sup>th</sup> centuries, and World War II and the Cold War places of interest. Please keep the following in mind to protect and conserve these historical resources.

1. Collecting artifacts from archaeological sites on federal property is prohibited
2. Recreational use of metal detectors within Fort Campbell is prohibited
3. Severe criminal penalties can be imposed for collecting archaeological resources without a permit.

4. Get properly issued dig permits from the ITAM Program for all mechanically assisted digging for military training activities
5. Human bones or remnants should be reported immediately to the Criminal Investigative Division (CID), and the Cultural Resources Program (CRP). Secure the immediate vicinity to prevent further disturbance pending inspection by CID and CRP manager.
6. Report the collecting of artifacts from either prehistoric or historic sites to the CID, as well as the CRP Manager. Secure the area from further use or disturbance pending inspection by CID and CRP Manager.
7. If prehistoric artifacts or remnants of historical sites are found in non-restricted areas, report the finds and location to the CRP Manager.

## **Chapter 11.      Threatened and Endangered Species**

Fort Campbell possesses a diverse natural heritage. Currently only the Indiana bat and Gray bat are protected by the Endangered Species Act of 1973. Three species of fauna, White Walnut, Rattlesnake Root, and Earleaf Foxglove, are federally listed and require special management. State and federal agencies provide technical guidance in managing these resources, but their survival depends upon informed and well-trained soldiers to help protect the unique natural diversity found within the reservation borders.

Threatened and Endangered Species habitats are protected areas. Any project or training activity which is scheduled to occur in a designated Threatened and Endangered Species sites should be referred to DPW Conservation Branch for a permit.

### **Unit Responsibilities:**

1. Plan military activities by following Range Control and environmental guidance to avoid adverse effects on threatened and endangered species.
2. Avoid activities in and around Threatened and Endangered Species sites that will produce extended impact to the habitat.

Department of Defense personnel who violate the provisions of the Endangered Species Act or implementing regulations are subject to both civil and criminal penalties.

## **Chapter 12.      Land Management**

Land management ensures that the Army maintains an effective level of combat readiness while promoting good stewardship of the land on which it trains.

### **Unit Responsibilities:**

1. Avoid unnecessary damage to agriculture out lease sites as crop lessees do not receive compensation for crop damage. Adhere to the following guidelines:
  - a. Ensure recovery from all digging operations, and remove items from fields.
  - b. Use grassed edges instead of the middle of the fields.
  - c. Use open fields whenever possible instead of crop land.
  - d. Ensure soil is not wet before entering fields.

Agriculture out lease and wildlife food plots represents a no-cost maintenance service to the government to help keep fields clear of woody vegetation and improve wildlife habitat.

## **Chapter 13. Wetlands**

Fort Campbell's water resources occur as surface and ground water. Surface streams often flow into sinkholes, underground channels, and sinking streams. Ground water flows beneath the surface through fractured limestone and serves as Fort Campbell's drinking water reserve. Fort Campbell's quality of life is directly related to the quality and wise use of these resources. A wetland is a collective term for lakes, rivers, streams, swamps, marshes, and similar areas that develop between open water and dry land. These sites are a valuable natural resource improving water quality, reducing flood and storm damage, providing wildlife habitat, supporting hunting and fishing activities, and providing educational and aesthetic promise. The majority of federal and state listed threatened and endangered species inhabit these unique areas. Wetlands are currently protected areas.

### **Unit Responsibilities:**

1. Avoid activities in and around wetland areas that will produce extended soil compaction, excess runoff (erosion) or vehicular traffic through a suspected site.
2. Police wetland areas for trash or other field.
3. Any activity which requires digging should be referred to DPW Conservation Branch.

## **Chapter 14. Range Control/Integrated Training Area Management**

The Integrated Training Area Management program was designed as a comprehensive approach to land management on all Army installations. All elements serve to support land management decisions on Army installations.

### **Unit Responsibilities:**

1. Avoid activities that will produce extended soil compaction, excess runoff (erosion), or vehicular traffic through sensitive areas.
2. Police areas for trash or other field residue to reduce degradation of aesthetic value and wildlife habitat.
3. Limit traffic in and around wetland areas. Use of unauthorized fords is prohibited unless training requirements are authorized by both DPW Environmental and Range Control personnel.



4. Reduce unnecessary-necessary travel on DPW Forestry firebreaks/combat trails. These roads are maintained by DPW Forestry strictly for fire suppression activities during wild fire situations. Military use of these roads increase erosion and degrade the natural resources further.
5. Limit mechanical digging to those sites designated by Range Control. All mechanical digging must be coordinated with ITAM/Range Division to ensure environmental compliance. Each dig request must include a recovery date that outlines the recovery to include filling of any trenches or leveling of any berms. Many environmental sites exist in the rear training areas. Federal law regulates these sites and penalties can be enforced if they are disturbed.
6. Do not place nails, spikes, or any other metal object into hardwood trees. Remove all cords, twine, and communication wire that are wrapped and tied around trees. Native tree species are regularly timbered and these actions directly affect the quality of the wood. All personnel assigned to Fort Campbell, both military and civilian, are environmental stewards for the installation and are integral parts in protecting all of the natural resources.